

SECTION 01325

POTABLE WATER DISCHARGE REQUIREMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Requirements of the Contractor and Construction Inspector when there is a planned or accidental discharge of potable water not covered by the Laboratory's NPDES permit.

1.2 RELATED SECTIONS

- A. Section 02530, Disinfection of Water Wells
- B. Section 15185, Chemical Water Treatment
- C. Section 15470, Disinfection of Water Piping
- D. Section 15992, Testing Piping Systems

1.3 DEFINITION

- A. Discharge: Release of potable water to the environment or the sanitary sewer system due to an accidental spill or a planned construction activity, e.g., flushing, piping disinfection, chemical water treatment of piping systems, hydrostatic piping tests, etc.

1.4 CONTRACTOR REQUIREMENTS

- A. Water discharged to the environment:
 - 1. Chlorinated water used for disinfection must be dechlorinated prior to discharge. Water discharged to the environment must have a total chlorine concentration of less than 1 mg/L (1 ppm).
 - 2. For discharge of less than 1,000 gallons of water, notify Construction Inspector in advance of planned discharge. For discharge of chlorinated/dechlorinated water, notify the Construction Inspector at least 48 hours (2 working days) in advance to arrange for a total chlorine concentration test.
 - 3. For discharge of 1,000 gallons or more of water, but less than 5,000 gallons of water, notify Construction Inspector at least 48 hours (2 working days) in advance of planned discharge.
 - 4. For discharge of 5,000 gallons or more of water, notify Construction Inspector at least 4 working days in advance of planned discharge.
- B. Notify Construction Inspector prior to discharging into sanitary sewer system. Discharge into sanitary sewer system must be properly characterized through LANL waste profile form (WPF) process and must meet the SWSC Plant waste acceptance criteria (WAC). Chlorinated water used for disinfection must be dechlorinated prior to discharge. Water discharged to sanitary sewer system must have a total chlorine concentration of less than 3 mg/L (3 ppm).
- C. Employ Best Management Practices (BMPs) to prevent erosion from discharge of water.
- D. Notify Construction Inspector immediately in the event of any accidental discharge.

1.5 CONSTRUCTION INSPECTOR REQUIREMENTS

- A. Water discharged to the environment:
 - 1. For discharge of less than 1,000 gallons of water, Construction Inspector must notify ESH-18 (665-2014) prior to the discharge and keep a written record of each discharge. Records must be submitted to ESH-18 each year by September 15th, or prior to final closeout of the project.
 - 2. For discharge of 1,000 gallons or more of water, but less than 5,000 gallons of water, notify ESH-18 (665-2014) at least 48 hours (two working days) in advance for approval of planned discharge. Construction Inspector must keep a written record of each discharge. Records must be submitted to ESH-18 each year by September 15th, or prior to final closeout of the project.
 - 3. For discharge of 5,000 gallons or more of water, notify ESH-18 (665-2014) at least 72 hours (three working days) in advance for approval of planned discharge. Construction Inspector must keep a written record of each discharge. Records must be submitted to ESH-18 each year by September 15th, or prior to final closeout of the project
- B. Discharge into sanitary sewer system must be properly characterized through LANL waste profile form (WPF) process and must meet the SWSC Plant waste acceptance criteria (WAC). Chlorinated water used for disinfection must be dechlorinated prior to discharge. Water discharged to sanitary sewer system must have a total chlorine concentration of less than 3 mg/L (3 ppm).Consult with ESH-18.
- C. Notify Sanitary Wastewater Systems Consolidation (SWSC) Plant Supervisor (665-7855) at least 48 hours (2 working days) in advance for approval of planned discharge into sanitary waste water system.
- D. Notify ESH-18 (665-2014) immediately in the event of any accidental discharge.

PART 2 PRODUCTS

Not applicable

PART 3 EXECUTION

Not applicable

END OF SECTION